

State of Iowa IT Project Request # 9

Replacement of Core Infrastructure Network Switches for the IADHSR3 Wide Area Network

Department of Human Services

Division of Data Management

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Document Purpose: This document is to be completed when there is an identified need and tentative plan to initiate a project. Funding may not have been identified for the project yet (seeking IOWAccess funding, waiting on legislative decision or grant award). The Project Request is submitted to the TCC IPSC to gain support for the project and identify if there are existing applications or application components that can leveraged for the proposed project. This document is intended to answer high level questions about the project as details about total cost, timeframe and quantified benefits are not known as this document is expected to be completed during project planning. Submit this document to: xxxxx@iowa.gov TCC approval of this document results in the permission to proceed with project planning. Agency may be directed to complete the Project Execution Request before issuing an RFP or beginning internal development work.

Project Summary

Project Name: Replacement of Core Infrastructure Network Switches for the IADHSR3 Wide Area Network

Problem Statement: *[What is the need? How will this address that need?]*

DHS' current core network supports more than 260 directly connected servers and other devices in the ITE Hoover server farm. Starting with its primary core switch/router, much of the current DHS core network equipment is old and either no longer supported by the vendor, Cisco, or soon to be in that situation. DHS has a primary Cisco 6509 switch plus a second one that was added to handle server growth. The primary 6509 went off support last year, and this unit has the same model of supervisor cards that plagued ITE in multiple outages last summer. DHS has partnered with ITE for network consulting services. So as DHS continues to work ITE on consolidation, we are considering the option of ITE providing network services to DHS. The equipment replacements with this request are necessary regardless of who provides the internal service for installation and maintenance.

Project Description: [*What is the purpose of this project? What are the project goals?*]

See above

What are your success criteria? [*What does success look like?*]

Full replacement of the Hoover network switches with updated software.

Improve service availability and reduce risk factors.

Are you aware of any potential solutions? [*Describe Solutions*]

DHS has partnered with ITE for network consulting services. So as DHS continues to work ITE on consolidation, we are considering the option of ITE providing network services to DHS.

Benefits Summary

[*Describe specific benefits and how these will be measured and reported. Who are the customers of this project and how do they benefit?*]

DHS field offices, institutions, Des Moines metro area offices and Central Office in the Hoover Building.

Project Impact: What is the impact if this project is not approved?

Continue to operate the DHS wide area network with old, hard to replace equipment and software. However, ITE does have spare supervisory cards we can use if we have another failure of a supervisory card.

Project Technology: [*What technologies will be used in the project?*]

Cisco products

Project Type: Maintenance/Replacement ☒ New ☐ Multi-phased ☐

Maintenance is a work to be completed on an existing software or hardware asset. Examples: migrating all agency applications to MS SQL 2012; updating a specific application to be 508 compliant and improve accessibility;

New is a project that has a single phase. Examples: Rewrite a client server application into a web application; Replace an MS Access application with a client server application and SQL database; Create a new application to meet a new federal or state initiative.

Multi-phased is a new project with multiple phases or the subsequent phase of a project already implemented. Example: The project is intended in Phase 1 to implement the web application, Phase 2 will add epayment and a mobile application and Phase 3 will expand application to another program area.

External/Internal Urgency: Are there any funding/legislative deadlines that impact this request? Are there organizational/staffing changes impacting the request?

No, other than the requirement to consolidate network services per the Iowa Code.

Funding Summary

Estimated total Project Costs: [*Provide a high level estimate or range*]

Under 50k _____ 50 to 100k _____ 100-500k X 500k to 2 million _____

2M to 5M _____ Over 5M _____ Unknown _____

\$165,756 for the cost to purchase the new switches.

Funding Source: *[Iowa Access, Pool, Federal Grant, etc.]*

DHS General Funds matched with Federal Funds

Project Sustainability *[Describe the plan to support and maintain this project. What kind of on-going costs will there be during the lifetime of this asset?]*

One time purchase + 7 years maintenance (\$7,887.88/yr) = \$220,970.64
\$518,366 (.25 FTE x 2 persons x 8 years) labor for maintenance
\$7,476 (\$62.30/hr) labor for one-time installation

Risk Assessment

[Describe specific risks and how they will impact the project. How will these be mitigated?]

DHS asked ITE Networking to conduct a network assessment of the key network services and components in DHS. That report is available to authorized persons for review.

Recommendations and Approvals

Authorize this IT procurement Yes X No _____

Alternatives suggested by the State CIO Yes _____ No X

Additional comments from the State CIO:

Recommendation by the TEC is for approval. The State CIO subsequently approved.

DAS Director's action:

Authorize this IT procurement Yes X No _____

DAS Director's signature and date:

The above IT procurement concept approved by Director Carroll on 5/22/13

Comments: **None**